

Title (en)
OVERLOAD PREVENTION IN A TELECOMMUNICATIONS NETWORK NODE

Title (de)
ÜBERLASTVERHINDERUNG IN EINEM FERNMELDENETZKNOTEN

Title (fr)
PREVENTION DE LA SURCHARGE AU NIVEAU D'UN NŒUD DE RESEAU DE TELECOMMUNICATIONS

Publication
EP 0791261 A2 19970827 (EN)

Application
EP 95937899 A 19951110

Priority
• FI 9500616 W 19951110
• FI 945331 A 19941111

Abstract (en)
[origin: WO9615609A2] The invention relates to a method of preventing an overload in a telecommunications network node. The network comprises at least one service node (CN; SCP) and at least one other node (PN; SSP) from which the service node receives service requests. According to the method, the service node transmits restriction requests (CG) to a node connected thereto, so that said node would restrict the number of service requests it transmits towards the service node. The restriction request comprises information on how the node should perform the restriction. A restriction request is transmitted at least whenever said information changes. In order to provide a simple and reliable method, the service node transmits a restriction request to a predetermined proportion of the total number of the service request messages fulfilling the criteria given, whereupon each individual service request message has a predetermined probability of triggering the transmission of a restriction request, the probabilities being selected in such a way that the total number of the restriction requests is smaller than the total number of the service requests.

IPC 1-7
H04L 12/56; **H04Q 3/00**; **H04Q 3/66**

IPC 8 full level
H04L 12/801 (2013.01); **H04L 12/825** (2013.01); **H04L 29/06** (2006.01); **H04Q 3/00** (2006.01); **H04Q 3/66** (2006.01)

CPC (source: EP US)
H04L 9/40 (2022.05 - EP US); **H04L 47/10** (2013.01 - US); **H04L 47/12** (2013.01 - US); **H04L 47/26** (2013.01 - US);
H04Q 3/0091 (2013.01 - EP US); **H04Q 3/665** (2013.01 - EP US); **H04Q 2213/13521** (2013.01 - EP US); **H04Q 2213/13561** (2013.01 - EP US)

Citation (search report)
See references of WO 9615609A2

Designated contracting state (EPC)
DE FR GB IT NL SE

DOCDB simple family (publication)
WO 9615609 A2 19960523; **WO 9615609 A3 19960808**; AU 3872595 A 19960606; BR 9509657 A 19971014; CN 1096774 C 20021218; CN 1163032 A 19971022; DE 69533335 D1 20040909; DE 69533335 T2 20050630; EP 0791261 A2 19970827; EP 0791261 B1 20040804; FI 945331 A0 19941111; FI 945331 A 19960512; FI 97185 B 19960715; FI 97185 C 19961025; US 6018519 A 20000125

DOCDB simple family (application)
FI 9500616 W 19951110; AU 3872595 A 19951110; BR 9509657 A 19951110; CN 95196169 A 19951110; DE 69533335 T 19951110; EP 95937899 A 19951110; FI 945331 A 19941111; US 83625797 A 19970509